

ABSTRACT OF THE DISCLOSURE

A method and system for processing a digital image and improving the appearance of the image while enhancing the compressibility of the image. The digital image has a plurality of input pixels. The image processing system has a filter selection mechanism for receiving a filter selection window corresponding to a current input pixel and responsive thereto for generating a filter identifier based on either an edge parameter computed based on the filter selection window or an activity metric computed based on the filter selection window. A filter application unit that is coupled to the filter selection mechanism for receiving the filter identifier and applying a filter identified by the filter identifier to an input pixel window to generate an output pixel is also provided.

10004248-1